



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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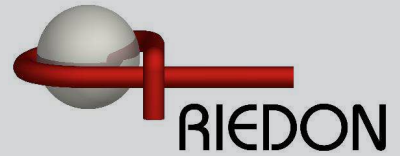
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UB Series

Miniature Silicone Coated Power Resistors



- High Power Rating in a Small Package
- Excellent Pulse Handling
- High Temperature: -55°C to +250°C
- Resistances from 0.02 to 260kOhms
- Power Rating 1 to 15Watts
- Resistance Tolerances to $\pm 0.01\%$
- Low TCR: $\pm 20\text{ppm/K}$ Standard
- MIL-R-26 / MIL-R-39007 Power Ratings
- Non-Inductive Windings Available

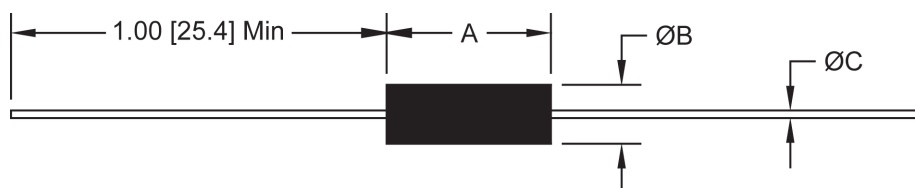
SPECIFICATIONS

Type	Wattage Rating (Watts)	Maximum Ohms ²	Dimensions			Maximum Working Voltage	MIL-R-26 / MIL-R-39007 Style
			A $\pm 0.062"$ [$\pm 1.6\text{mm}$]	B $\pm 0.031"$ [$\pm 0.8\text{mm}$]	C ¹ $\pm 0.002"$ [$\pm 0.05\text{mm}$]		
UB-1	1	3.4k	0.250 [6.4]	0.085 [2.2]	0.020 [0.5] 0.025 [0.6]	33	RW-81 RWR-81
UB-2	1.5	7.5k	0.312 [7.9]	0.078 [2.0]	0.020 [0.5] 0.025 [0.6]	42	RWR-82
UB-3	2	10k	0.406 [10.3]	0.094 [2.4]	0.025 [0.6] 0.020 [0.5]	80	RW-80 RWR-80
UB-3C	3	12.5k	0.350 [8.9]	0.156 [4.0]	0.032 [0.8]	135	
UB-5	4	25k	0.560 [14.2]	0.187 [4.7]	0.032 [0.8]	162	
UB-5C	5	32k	0.500 [12.7]	0.218 [5.5]	0.040 [1.0]	194	
UB-6	6	50k	0.625 [15.9]	0.250 [6.4]	0.040 [1.0]	258	
UB-10	7	95k	0.875 [22.2]	0.312 [7.9]	0.040 [1.0]	425	RW-84
UB-12	10	150k	1.220 [31.0]	0.312 [7.9]	0.040 [1.0]	607	
UB-15	15	260k	1.780 [45.2]	0.375 [9.5]	0.040 [1.0]	1050	

¹ Lead Diameter: 18 AWG = 0.040" / 20 AWG = 0.032" / 22 AWG = 0.025" / 24 AWG = 0.020"

Where more than one lead is listed / the top value is Standard

² For non-inductive windings / divide maximum resistance by 2



UB Series

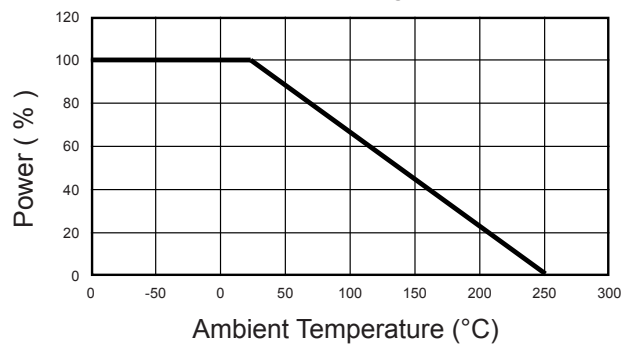
Silicone Coated Power Resistors



SPECIFICATIONS (continued)

Specification	Value
Tolerances	±0.01% to ±10% (1% Standard)
Temperature Coefficient	>10Ω : ±20ppm/K 1Ω to 10Ω : ±50ppm/K <1Ω : Call Factory
Temperature Range	-55°C to +250°C
Dielectric Strength	500 VAC : UB-1 / UB-2 / UB-3 1000 VAC : All Others
Construction	Centerless ground ceramic core Tinned copper or copperweld leads High temperature / trivalent / inorganic Silicone coating All welded terminations
Environmental Performance (MIL-STD 202)	ΔR
Dielectric	±0.2% + 0.05Ω
Load Life	To ±1% Depending on Size and Resistance Value
Storage	±0.2% + 0.05Ω
Moisture Resistance	±0.2% + 0.05Ω
Thermal Shock	±0.2% + 0.05Ω
5X Overload (5s)	±0.2% + 0.05Ω
Shock	±0.1% + 0.05Ω
Vibration	±0.1% + 0.05Ω

Power Derating Curve



Ordering Information

For Non-Inductive Windings / insert the letter "N" (i.e. UBN-5)

Part Number - Resistance - Tolerance - TCR (If not standard)

Example: UB-3 10 Ohm 1%